

Claims

- [c1] 1. A motion sensor for detecting motion and providing a control signal, comprising:
at least one infrared transmitter;
at least one infrared receiver for receiving a reflected signal from said at least one infrared transmitter;
said at least one infrared transmitter contained in a first housing;
said at least one infrared receiver contained in a second housing;
said receiving a reflected signal from said at least one infrared transmitter coupled to at least one control circuit; and
said at least one control circuit controlling at least one output.
- [c2] 2. The motion sensor of claim 1 further comprising:
means for employing an intermittently transmitted infrared signal from said at least one infrared transmitter, for reception of a reflection of said intermittently transmitted infrared signal by said at least one infrared receiver, and for communication of said reflection to said at least one control circuit.

- [c3] 3. The motion sensor of claim 2 where said means further includes:
means for detecting an infrared reflection within a pre-determined distance from said at least one transmitter.
- [c4] 4. The motion sensor of claim 2 where said means further includes:
means for illuminating a device by activating said at least one output.
- [c5] 5. The motion sensor of claim 2 where said means further includes:
means for initiating a timing device by activating said at least one output.
- [c6] 6. The motion sensor of claim 2 where said means further includes:
means for changing the status a device by activating said at least one output.
- [c7] 7. A control keypad configuration, said keypad configuration comprising:
at least one control circuit for controlling at least one output device;
at least one button on said control keypad configuration;
said at least one button including a LED for illuminating the surface of said at least one button;

at least one infrared transmitter located adjacent to said control keypad configuration;
at least one infrared receiver for receiving a reflected signal from said at least one infrared transmitter;
said at least one infrared transmitter contained in a first housing;
said at least one infrared receiver contained in a second housing;
a receiving mechanism receiving a reflected signal from said at least one infrared transmitter;
said receiving mechanism coupled to said at least one control circuit; and
an illumination mechanism illuminating said at least one button upon said receiving a reflected signal from said at least one infrared transmitter.

[c8] 8. The control keypad assembly of claim 7 further comprising:

a first mechanism employing an intermittently transmitted infrared signal from said at least one infrared transmitter,

a second mechanism receiving a reflection of said intermittently transmitted infrared signal by said at least one infrared receiver, and

a third mechanism communicating said reflection to said at least one control circuit.

- [c9] 9. The control keypad assembly of claim 8 where said key pad assembly further includes:
a detection mechanism detecting an infrared reflection within a predetermined distance from said at least one transmitter.
- [c10] 10. The control keypad assembly of claim 8 where said keypad assembly includes:
a timing mechanism initiating a timing device by activating said at least one output.
- [c11] 11. The control keypad assembly of claim 8 where said keypad assembly includes:
a control mechanism changing the status a device by activating said at least one output.
- [c12] 12. A method for detecting the presence of a human body, comprising:
at least one infrared transmitter;
at least one infrared receiver for receiving a reflected signal from said at least one infrared transmitter;
said at least one infrared transmitter contained in a first housing;
said at least one infrared receiver contained in a second housing;
at least one control circuit coupled to said at least one

infrared receiver;
said detecting the presence of a human body occurring
when a reflection from said infrared transmitter is re-
ceived by said infrared receiver; and
said control circuit coupled to at least one output device
for controlling the status of said at least one output de-
vice.

[c13] 13. The method of claim 12 further comprises:
employing an intermittently transmitted infrared signal
from said at least one infrared transmitter,
receiving a reflection of said intermittently transmitted
infrared signal by said at least one infrared receiver, and
communicating said reflection to said at least one con-
trol circuit.

[c14] 14. The method of claim 13 further comprising:
detecting an infrared reflection within a predetermined
distance from said at least one transmitter.

[c15] 15. The method of claim 13 wherein said method further
includes:
illuminating a device by activating said at least one out-
put.

[c16] 16. The method of claim 13 where said method further
includes:

initiating a timing device by activating said at least one output.

[c17] 17. The method of claim 13 where said method further includes:
changing the status a device by activating said at least one output.